General FAQs

Q1: What is RapteeHV?
A: RapteeHV is India's first high voltage electric motorcycle platform, engineered to deliver high performance, extended range, and enhanced rider connectivity through advanced control systems and an integrated battery management solution.

Q2: What makes RapteeHV different from other electric motorcycles?
A: Our platform leverages a high voltage architecture combined with adaptive engine mapping and a sophisticated battery management system. This synergy results in superior performance, efficient energy recovery via regenerative braking, and personalized riding modes that adapt to individual rider behavior.

Q3: How does the battery management system (BMS) protect the battery?
A: The BMS continuously monitors battery state-of-charge (SoC), temperature, and cell health to optimize charging and discharging cycles. It implements adaptive strategies—such as adjusting regenerative braking intensity and regulating power output—to minimize degradation and prolong battery life.

Q4: What riding modes are available?
A: RapteeHV offers multiple riding modes (e.g., Eco, Sport, and Custom) that adjust power delivery, regenerative braking, and overall performance. These modes are dynamically tailored based on real-time battery data and rider usage patterns.

Q5: How does regenerative braking work on RapteeHV?
A: When decelerating, the motorcycle's regenerative braking system converts kinetic energy into electrical energy, which is fed back into the battery. This process is intelligently managed to maximize energy recovery while ensuring battery safety and performance.

RSA (Rider Safety & Assistance) FAQs

Q1: What does RSA stand for and what does it do?
A: In our context, RSA stands for Rider Safety & Assistance. It's a suite of features that provide real-time alerts, automated emergency response, and enhanced stability control to ensure a safer riding experience.

Q2: How does the RSA system enhance safety?
A: The RSA system monitors key ride parameters, including speed, braking, and lean angle. It can automatically adjust vehicle dynamics or alert the rider if unsafe conditions are detected, and it even integrates with emergency services in critical situations.

Q3: Is emergency service support integrated into RSA?
A: Yes, RSA is designed to quickly notify designated emergency contacts or local rescue services in the event of an accident, ensuring rapid assistance when needed.

Q4: How can I access RSA features?
A: RSA features are integrated into the motorcycle's onboard system and can also be accessed via the mobile app for real-time monitoring and notifications.

App FAQs

Q1: What features does the RapteeHV mobile app offer?
A: The mobile app provides a range of functions, including real-time battery status, personalized ride mode adjustments, trip analytics, remote diagnostics, and notifications for maintenance and safety alerts.

Q2: How do I pair my motorcycle with the app?
A: Pairing is simple: ensure Bluetooth is enabled on both your motorcycle and smartphone, then follow the on-screen instructions in the app to complete the secure pairing process.

Q3: Can I customize my riding preferences via the app?
A: Absolutely. The app allows you to set your preferred riding modes, adjust power delivery settings, and even fine-tune regenerative braking responses based on your driving style and battery health data.

Q4: What kind of data does the app display?
A: The app provides detailed insights into battery SoC, energy consumption, ride history, diagnostic alerts, and real-time performance metrics to help you monitor and optimize your riding experience.

OS (Onboard System/Software) FAQs

Q1: What operating system does RapteeHV use?
A: RapteeHV runs a custom-developed onboard system optimized for real-time data processing, adaptive control, and seamless integration with both the vehicle's hardware and the mobile app ecosystem.

Q2: How often are software updates released?
A: We provide regular over-the-air (OTA) updates to continuously enhance performance, security, and new features. Updates are automatically downloaded and installed when your motorcycle is parked and connected to Wi-Fi.

Q3: Can I customize the onboard system settings?
A: Yes. The onboard system is designed for personalization, allowing riders to adjust performance profiles, monitor system diagnostics, and synchronize settings with the mobile app for a tailored experience.

Q4: How do OTA updates improve my riding experience?
A: OTA updates ensure that your motorcycle's software remains current with the latest improvements in

adaptive mapping, battery management algorithms, and safety features—leading to ongoing enhancements in performance and reliability.